

## Associate Professor in Experimental High Energy Physics Tufts University

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Posted Dec. 6, 2024, set to expire Apr. 20, 2025

<b>Job Title</b>	Associate Professor in Experimental High Energy Physics
<b>Department</b>	School of Arts & Sciences: Physics & Astronomy
<b>Institution</b>	Tufts University Medford, Massachusetts
<b>Date Posted</b>	Dec. 6, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Fall 2025
<b>Job Categories</b>	Associate Professor
<b>Academic Field(s)</b>	Physics - General
<b>Job Website</b>	<a href="http://apply.interfolio.com/160350">http://apply.interfolio.com/160350</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

The Department of Physics and Astronomy at Tufts University (Medford, MA, USA; <https://as.tufts.edu/physics>) invites qualified candidates to apply for a tenure-stream professorship at the Associate Professor level in the field of experimental High-Energy Physics (HEP) at the Energy Frontier. The successful candidate will join the Tufts ATLAS group and assume teaching duties and service, with a target start date of September 1, 2025. We encourage candidates with demonstrated excellence in research, teaching, mentoring, and community development to apply. The Tufts Physics and Astronomy Department consists of eighteen tenured or tenure-track faculty and has strong research programs in high energy physics, condensed matter physics, cosmology, quantum information, astrophysics, and physics education research. The HEP group conducts active and well-funded research consisting of LHC collider and accelerator-based neutrino programs that provide research opportunities to undergraduates and graduate students. Current activities of the Tufts-in-ATLAS group include maintenance, operation, and development of the muon end-cap alignment

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system, QCD precision measurements, searches for dark matter, and development of AI algorithms applied to inverse problems.

### **Qualifications**

To qualify for the position, the candidate must have a Ph.D. in experimental High Energy Physics at the Energy Frontier with strong experience in analyzing Large Hadron Collider data, and with a track record of securing funding in recent years. We expect the candidate to bring existing funding with them, or to generate research grants after arrival at Tufts. The successful candidate will supervise graduate-student thesis research for the Ph.D. and M.S. degrees, and undergraduate senior honors thesis projects. Candidates should have experience in teaching undergraduate physics courses. Additional experience teaching specialized or graduate courses is welcomed, as are examples of previous innovative teaching.

### **Application Instructions**

All applications are submitted via Interfolio, at <https://apply.interfolio.com/160350>. Applicants should submit a cover letter, a curriculum vitae with publications, a research plan, a statement of teaching and mentoring philosophy, a statement of diversity, equity and inclusion, and the names and contact information, including email address and phone number, of at least three references. References will be contacted to provide signed letters of recommendation at a later time. Neither the research plan nor the statements should exceed 4 pages. The statement of diversity, equity and inclusion should describe the applicant's efforts and aspirations to promote equity, inclusion and diversity through teaching, mentoring, research and service. For full consideration, applications should be submitted by February 1, 2025. However, applications received after that date will be considered until the position is filled.

Please contact the department manager, Elizabeth Hammond (email: [Elizabeth.Hammond@tufts.edu](mailto:Elizabeth.Hammond@tufts.edu)), with any questions.

All offers of employment are contingent upon the completion of a background check.

### **EEO/AA Policy**

Tufts University, founded in 1852, prioritizes quality teaching, highly competitive basic and applied

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research, and a commitment to active citizenship locally, regionally, and globally. Tufts University has also committed to becoming an anti-racist institution and prides itself on the continuous improvement of diversity, equity and inclusion work. Current and prospective employees of the university are expected to have and continuously develop skill in, and disposition for, positively engaging with a diverse population of faculty, staff, and students. Tufts University is an Equal Opportunity/Affirmative Action Employer. See the University's Non-Discrimination statement and policy here <https://oeo.tufts.edu/policies-procedures/non-discrimination/>. If you are an applicant with a disability who is unable to use our online tools to search and apply for jobs, please contact us by calling the Office of Equal Opportunity (OEO) at 617-627-3298 or at [oeo@tufts.edu](mailto:oeo@tufts.edu). Applicants can learn more about requesting reasonable accommodations at <https://oeo.tufts.edu/>.

### **Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

### **Contact**